

Figure 1: Prior Art SIP Architecture

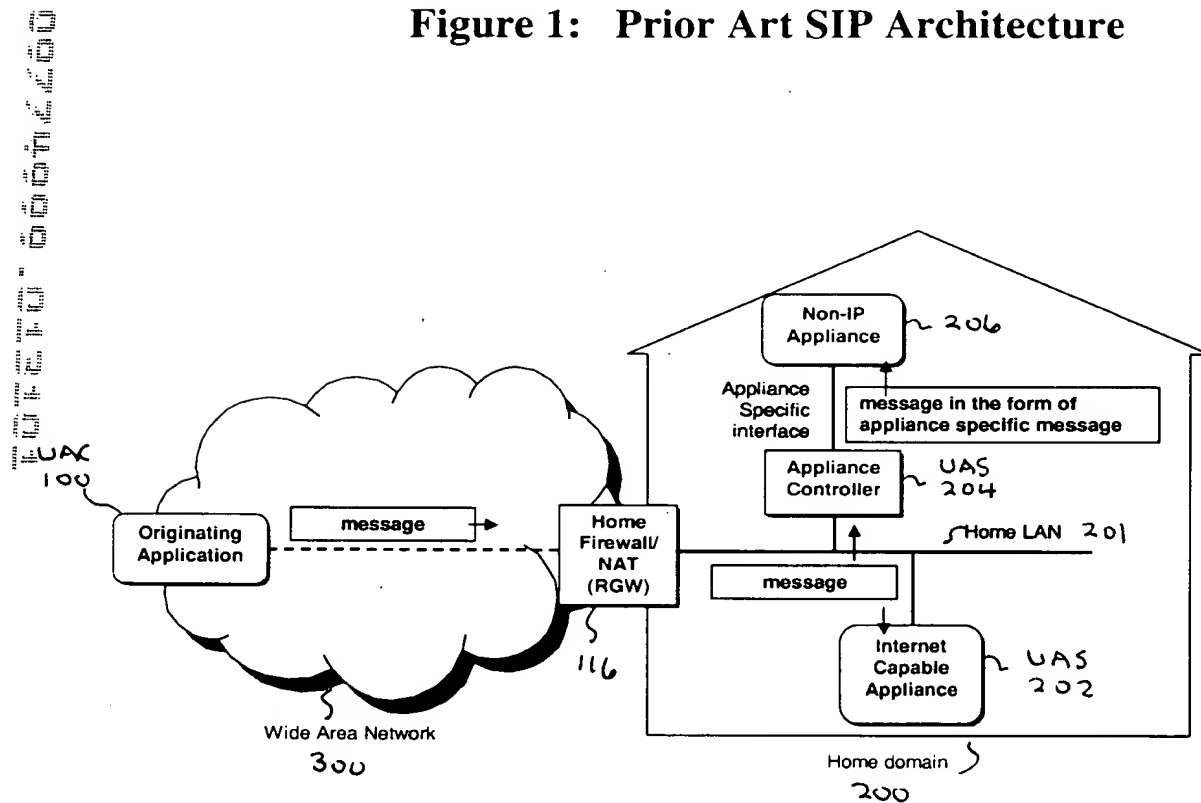
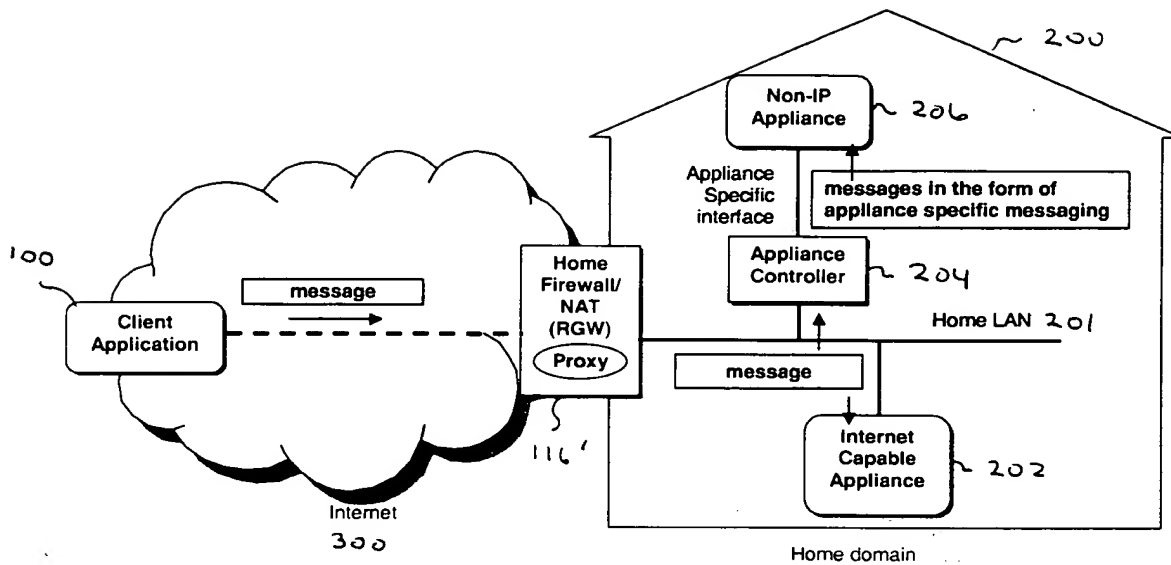
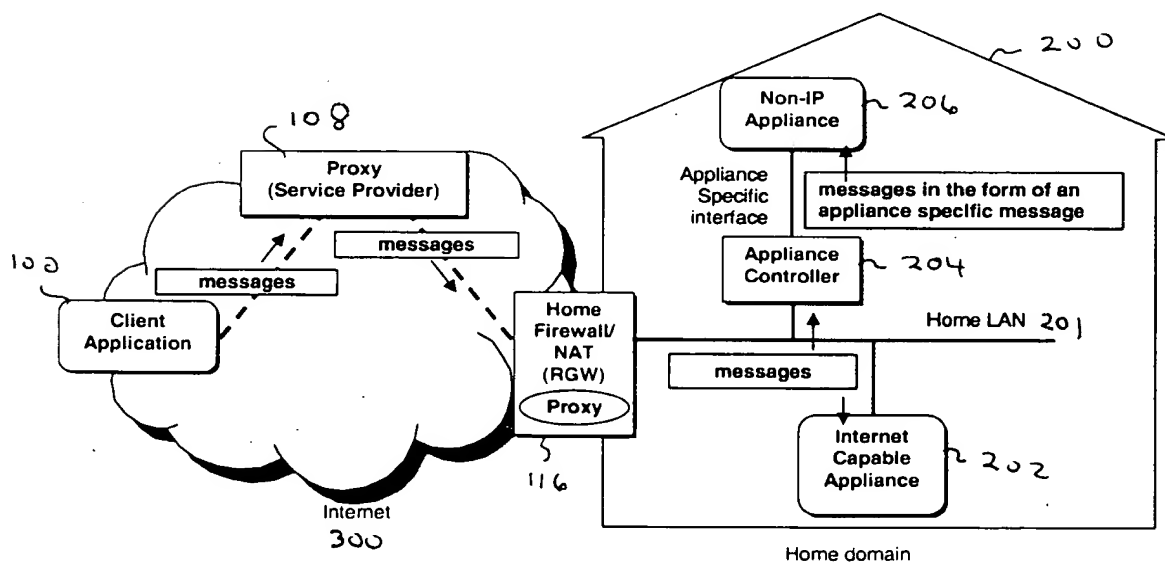


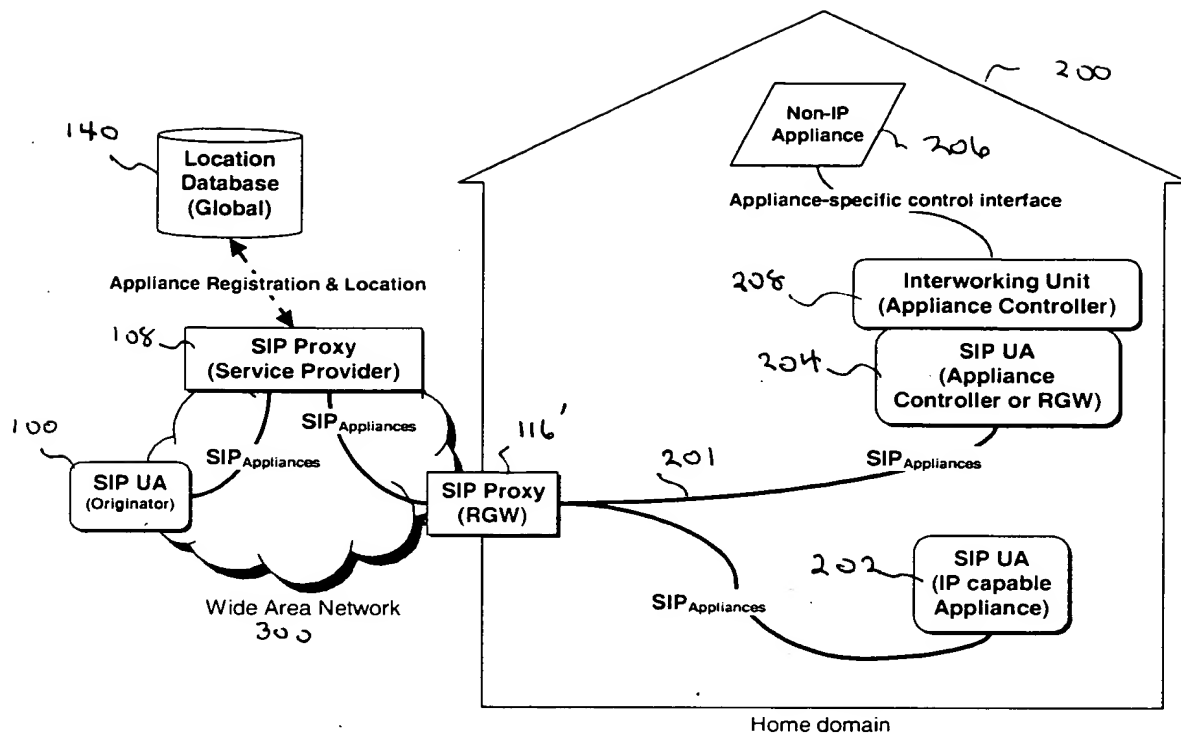
Figure 2: Network Architecture: Direct Communication with the Home Domain



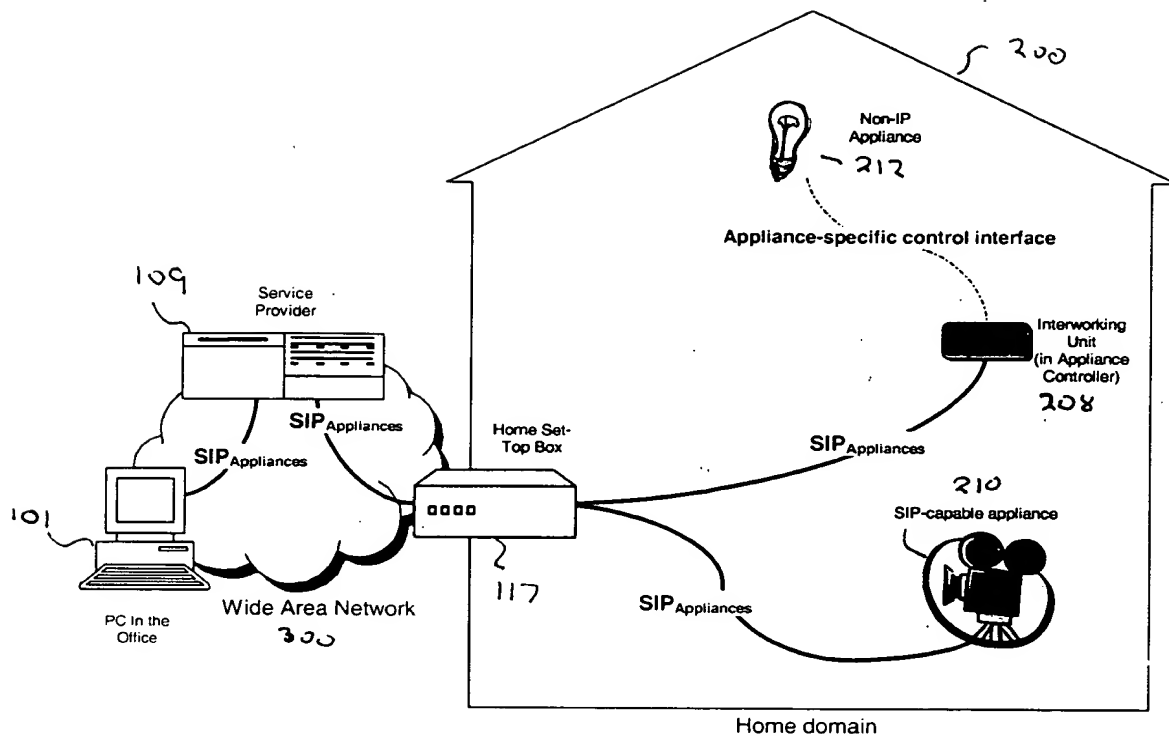
**Figure 3: Network Architecture: Communication via Gateway Proxy**



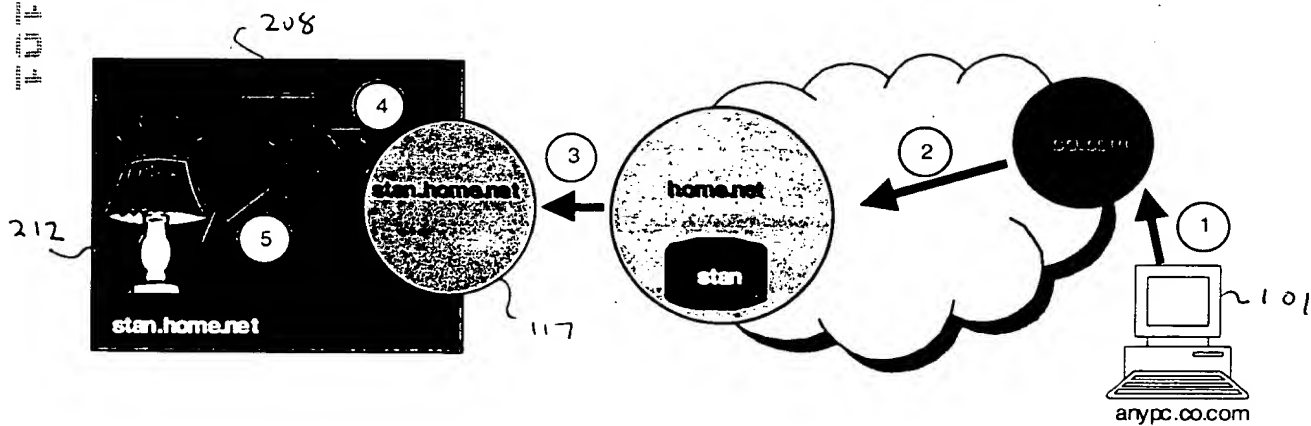
**Figure 4: Network Architecture: Communication via (Service Provider) Proxy**



**Figure 5: Example Functional Architecture for Remote Communication with Networked Appliances**



**Figure 6. One Possible Physical Realization of Functional Architecture**



**Figure 7. Simple Access to Home from Work**

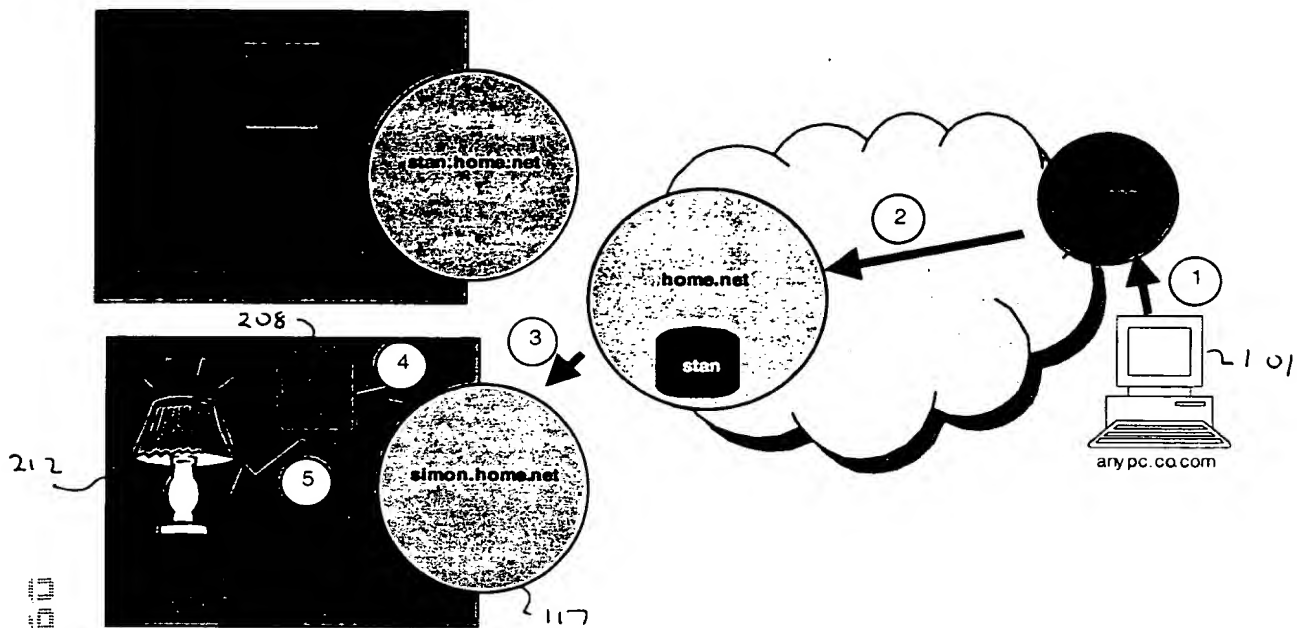


Figure 8. Access with Re-direction

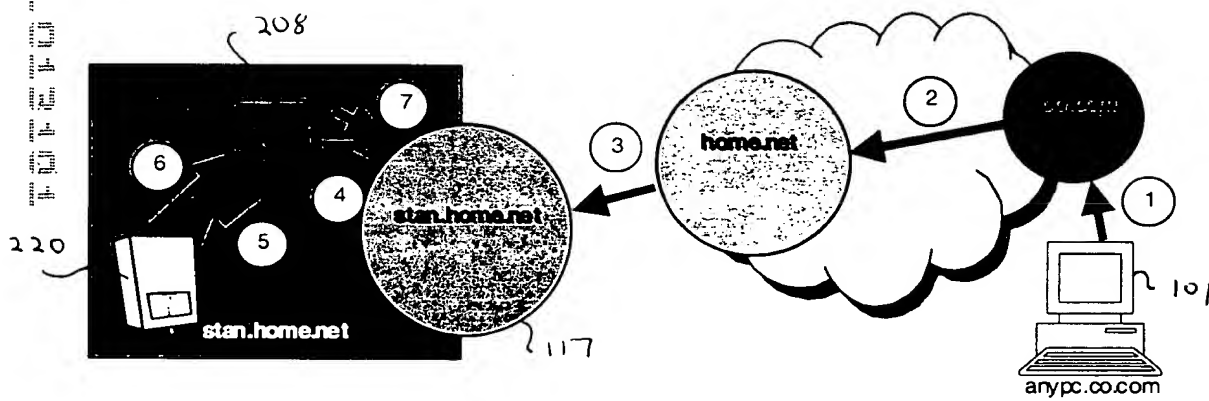


Figure 9. Checking the House Temperature from Work

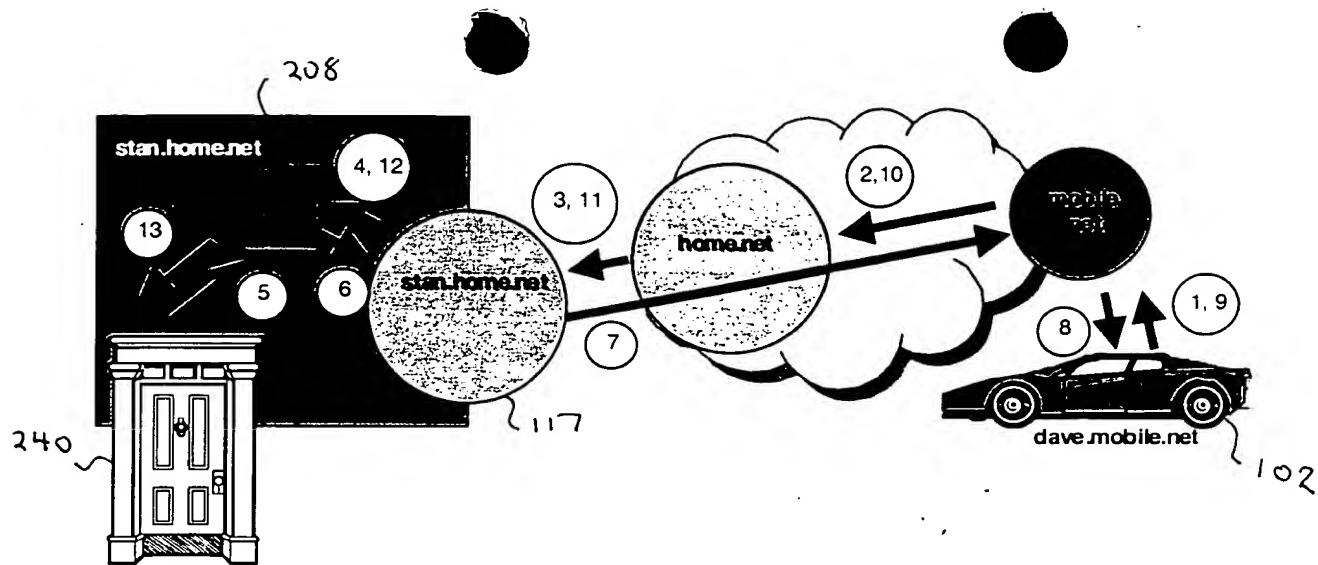


Figure 10. Answering the Front Door from a Car

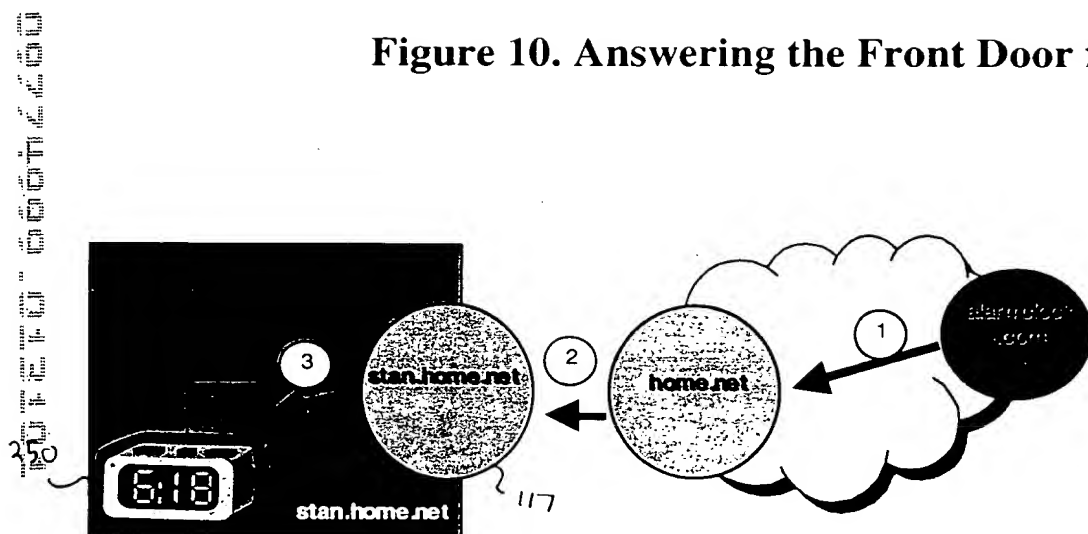


Figure 11. Network-based Alarm Clock Service  
SIP Message Flows

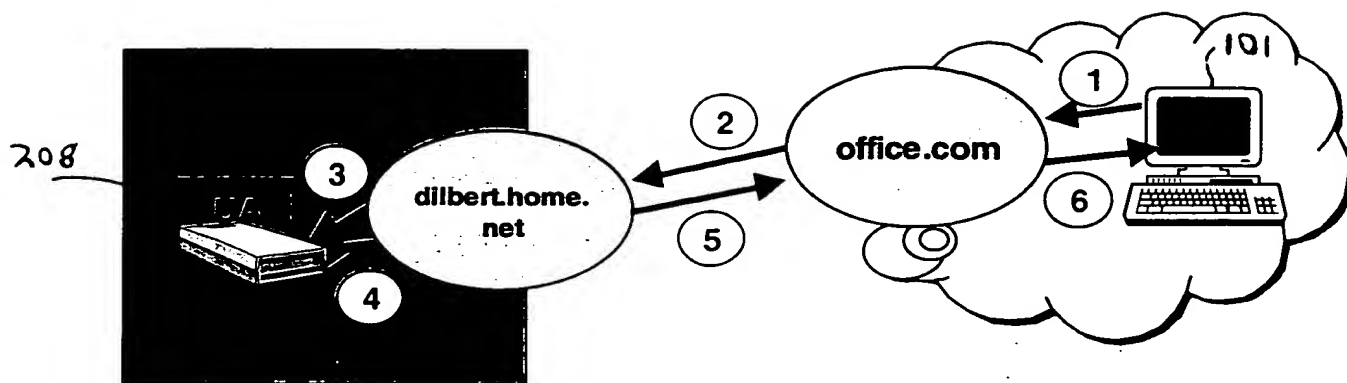


FIG. 12 Querying Capabilities Of Networked Appliances

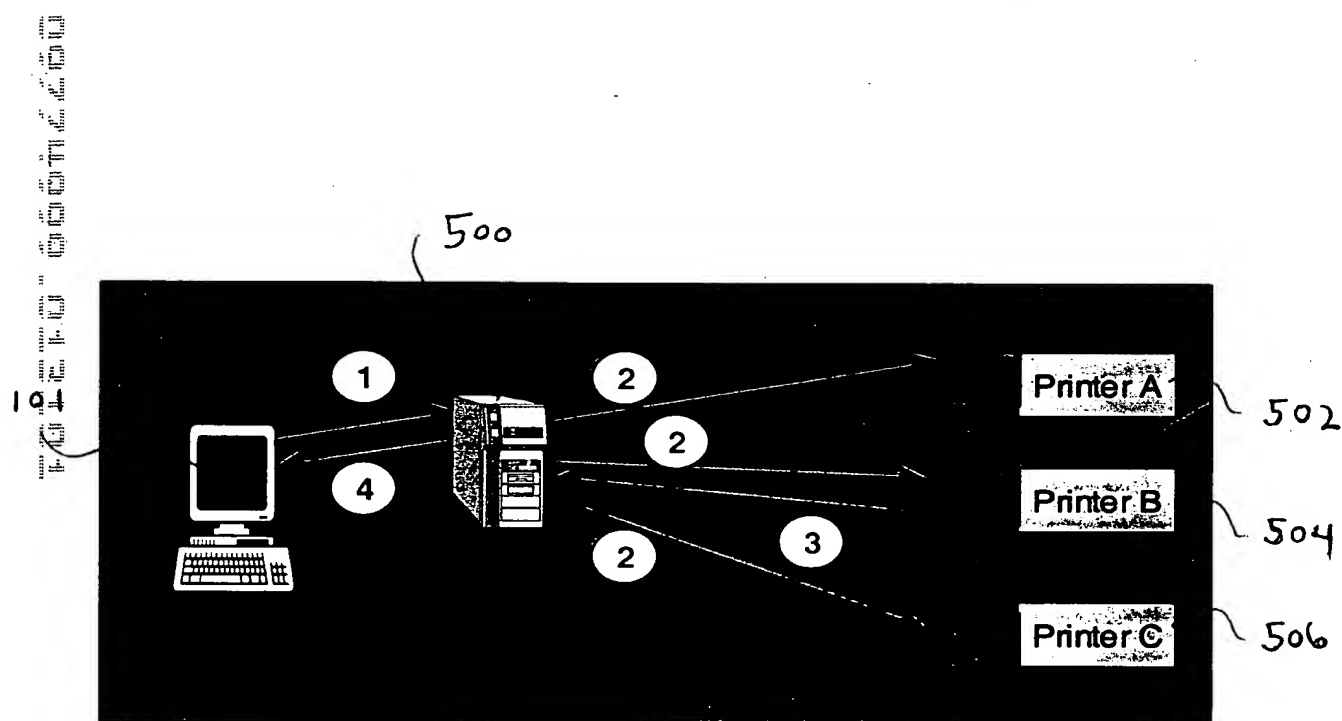


FIG. 13 Forking Services